

## AMENDMENTS TO THE CLAIMS

Claims 1-45 (Canceled)

46. (Currently Amended) An optical storage medium including multiple tracks formed concentrically or in a spiral, for recording information using marks and spaces between the marks ~~by emitting a light beam to the recording surface of the tracks,~~ each mark having a mark length limited by run length limited (RLL) modulation, wherein a signal not including edges adjacent to the shortest marks and/or the shortest spaces denotes a first playback signal quality.

47. (Previously Presented) An optical storage medium according to claim 46, wherein a signal including edges adjacent to the shortest marks and/or the shortest spaces denotes a second playback signal quality.

48. (Previously Presented) An optical storage medium according to claim 47, wherein the first playback signal quality is higher than the second playback signal quality.

49. (Previously Presented) An optical storage medium according to claim 46, wherein jitter is detected as the playback signal quality.

50. (Previously Presented) An optical storage medium according to claim 49, wherein leading-edge jitter and trailing-edge jitter are distinguished each other.

51. (Canceled)

52. (Currently Amended) An optical storage medium according to claim 46, wherein the optical storage medium includes multiple recording layers, wherein the first playback signal quality is set for at least one layer of the multiple recording layers ~~each layer~~.

53. (Currently Amended) An optical storage medium according to claim 52, wherein the quality of the layer farthest from the optical pickup head ~~during recording~~ is highest.

54-150 (Canceled)

151. (New) A reproducing method for reproducing the optical storage medium according to claim 46 by emitting a light beam, wherein the optical storage medium includes a signal not including edges adjacent to the shortest marks and/or the shortest spaces denotes a first playback signal quality.

152. (New) A recording method for recording information using marks and spaces between the marks formed by emitting a light beam to the optical storage medium according to claim 46.